



RealDual 500 Tough against harsh environment

Field of Application

★★ Excellent ★ Good

- ★★ Construction
- ★★ Fabrication
- ★★ Piping
- ★★ Mining
- ★★ Railroad
- ★★ Offshore
- ★★ Civil Engineering
- ★★ Rental
- ★★ Service Truck
- ★★ Maintenance
- ★★ Repair
- ★★ Farm

Welding Process

★★ Excellent ★ Good • Standard

CC Mode: ★ Standard Rod ★ Cellulose Rod ★ Scratch TIG • Gouging 9.5mm



Specification

Welding DC Generator (50HZ)

	CC Single/Dual
Rated Current	480A/230A(60/80% Duty Cycle)
Rated Voltage	39.2/29.2 V
Current Adj. Range	60–500A/30-280 A
No Load Voltage (OCV)	Max 85V

AC Generator

Rated Frequency	50Hz	
Phase Options	Single Phase	3-Phase
Rated Output	10.8kVA	15kVA
Rated Voltage	240V	415V
Power Factor	1.0	0.8
Receptacles	15A×3	20A×1

Dimensions

Overall Dimensions (mm)	(L)1,680 X (W)700 X (H) 950
Dry Weight (kg)	586

Noise Level

Lowest (@7m/idle)	57dB (A)
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Engine

Powered by	Model	Kubota V1505	Rated Output (kW/min-1)	24.5/3600rpm (Gross Intermittent)
	Engine Type	Vertical, Water-cooled, 4 Cycle Diesel	Fuel Tank Capacity	63 Liters
	Displacement	1.498 Liter		

Definitions of the icons

- RealDual welding mode
- Easier arc start
- Preset welding current
- Adjust arc strength between soft and crisp
- Stop engine immediately
- Voltage Reduction Device
- 2 connection of welding remote control
- Open circuit voltage Max 85V

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Control Panel



1. AC Meter
2. DC Meter
3. Hour Meter
4. Monitor Lamp
5. VRD Lamp
6. VRD Switch
7. Idle Control Switch
8. Starter Switch
9. Fuel Meter
10. Output Control Dial
11. Emergency Stop Switch
12. Single/Dual Selector
13. Arc Control Dial
14. Remote Control Connector

AC Output Panel



15. 3-phase Receptacles (20A)
16. Single-Phase (15A)
17. ELCB
18. Earth Grounding Terminal
19. Single Phase Breakers
20. Bonnet Grounding Terminal

Features

■ Dual Welding

Shindaiwa's alternator is unique in coil winding. Welding power A, B, and AC generator are driven respectively by each electrode. This feature ensures two independent welding outputs with least mutual interference.

■ Two Remote Controllers

2 remote controls double work efficiency eliminating downtime and possible safety hazards attributable to walking back to the power source.

■ Robust Alternator

Triple-varnish, standard spec for Shindaiwa's alternator for the global market, offers robust features of protection against sand gravel, dust, rodent, and burnout including layer short.

■ Enhanced Safety

Temperature sensor inside the alternator prevents burnout by detecting anomalous temperature caused by over loading.